

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---------------------------------|------------------|---------|------------------|
| S1 | 448 | (239/222.11-222.21).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/11/21 14:30 |
| S2 | 517 | (239/203-206).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |
| S3 | 320 | (239/231-233).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |
| S4 | 361 | (239/243-247).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |
| S5 | 124 | (239/252).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |
| S6 | 1809 | (239/451-460).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S7 | 3364 | ((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S8 | 491 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S9 | 2 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (thrott\$3 adj adjust\$6) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:27 |
| S10 | 15 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (arc adj adjust\$6) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S11 | 6 | "5148990".URPN. | USPAT | OR | OFF | 2002/06/28 10:40 |

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|-----|------|--|---------------------------------|----|-----|------------------|
| S12 | 4 | ("4579285" "4815662" "4850538" "5058806").PN. | USPAT | OR | OFF | 2002/06/28 10:42 |
| S13 | 491 | ((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:27 |
| S14 | 3 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (arcuat\$3 adj orifice) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:27 |
| S15 | 1076 | (239/200-210).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S16 | 3391 | ((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S17 | 5597 | (239/200-265).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S18 | 1820 | (239/451-460).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S19 | 7323 | ((239/200-265).CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S20 | 1015 | (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S21 | 198 | (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and spring) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S22 | 9 | (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc near adjust\$4)) and (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and spring)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |

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| S23 | 57 | ((239/200-265).CCLS.) ((239/451-460).CCLS.) and (arc near adjust\$4) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S24 | 501 | ((239/200-265).CCLS.) ((239/451-460).CCLS.) and (flow near rate) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S25 | 158 | (((239/200-265).CCLS.) ((239/451-460).CCLS.) and (flow near rate)) and sprinkler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S26 | 7323 | ((239/200-265).CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S27 | 25 | (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc adj adjust\$6) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S28 | 74234 | "239"/\$ | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/02/08 06:48 |
| S29 | 2696 | "239"/\$ and sprinkler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:31 |
| S30 | 295 | ("239"/\$ and sprinkler) and (pop\$up) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:31 |
| S31 | 205 | ("239"/\$ and sprinkler) and (pop\$up)) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:32 |
| S32 | 6 | "5288022".URPN. | USPAT | OR | OFF | 2005/05/10 09:32 |
| S33 | 29 | ("1510930" "1821579" "2128552" "3006558" "3131867" "3268173" "3526363" "3645451" "3854664" "3874588" "4121769" "4221333" "4261515" "4331294" "4353506" "4440345" "4471908" "4660766" "4682732" "4687139" "4815662" "4834292" "4842201" "4848667" "4867379" "4886211" "4932590" "4986474" "5058806").PN. | USPAT | OR | OFF | 2005/05/10 09:32 |
| S34 | 16 | "5058806".URPN. | USPAT | OR | OFF | 2005/05/10 09:33 |
| S35 | 169 | ((("239"/\$ and sprinkler) and (pop\$up)) and spring) and nozzle | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:33 |
| S36 | 18024 | sprinkler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:33 |
| S37 | 447 | sprinkler and (pop\$up) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:33 |

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| S38 | 249 | (sprinkler and (pop\$up)) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S39 | 188 | ((sprinkler and (pop\$up)) and spring) and nozzle | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S40 | 0 | 239/511,512,513,514 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S41 | 323 | ((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/581.1,581.2).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S42 | 327 | ((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/581.1,581.2,582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S43 | 333 | ((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/580,581.1,581.2,582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:35 |
| S44 | 153 | ((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/580,581.1,581.2,582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:35 |
| S45 | 98 | ("3771723" "3940066" "4119275" "RE32386" "4687139" "4753391" "4815662" "4944456" "5423486" "5556036" "5647541" "5718381" "5823440" "5927607" "5518569" "4850425" "3583638" "4796809" "4842201" "4967961" "RE33823" "5288022" "5288023" "6596104" "5227213" "0053407" "3131867" "4091997" "4892252" "4898332" "4932590" "4986474" "5058806" "5148990" "5360167" "5762270" "3884416" "4154404" "4261515" "4850532" "4867379" "4971250" "5031840" "4471908" "4579285" "5226602").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/10 08:47 |
| S46 | 760 | (239/222.11-222.21).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |

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| S47 | 800 | (239/203-206).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |
| S48 | 501 | (239/231-233).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |
| S49 | 620 | (239/243-247).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:25 |
| S50 | 200 | (239/252).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S51 | 3117 | (239/451-460).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S52 | 3497 | ((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S53 | 993 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S54 | 5 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (thrott\$3 adj adjust\$6) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S55 | 27 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (arc adj adjust\$6) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:26 |
| S56 | 993 | (((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:27 |

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|-----|------|--|--|----|-----|------------------|
| S57 | 6 | ((((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252). CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (arcuat\$3 adj orifice) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:27 |
| S58 | 1674 | (239/200-210).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S59 | 3497 | ((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252). CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S60 | 9100 | (239/200-265).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S61 | 3117 | (239/451-460).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S62 | 7566 | ((239/200-265).CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S63 | 1094 | ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S64 | 211 | ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265). CCLS.) ((239/451-460).CCLS.)) and spring) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:29 |
| S65 | 11 | ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc near adjust\$4)) and ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265). CCLS.) ((239/451-460).CCLS.)) and spring)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S66 | 74 | ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc near adjust\$4) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S67 | 551 | ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S68 | 177 | ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and sprinkler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |

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|-----|-------|--|--------------------------------|----|-----|------------------|
| S69 | 7566 | ((239/200-265).CCLS.) ((239/451-460).CCLS.) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S70 | 36 | (((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc adj adjust\$6) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:30 |
| S71 | 42457 | "239"/\$ | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:31 |
| S72 | 2785 | "239"/\$ and sprinkler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/02/08 06:48 |
| S73 | 324 | ("239"/\$ and sprinkler) and (pop\$up) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:31 |
| S74 | 224 | (("239"/\$ and sprinkler) and (pop\$up)) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:32 |
| S75 | 13 | "5288022".URPN. | USPAT | OR | OFF | 2005/05/10 09:32 |
| S76 | 29 | ("1510930" "1821579" "2128552" "3006558" "3131867" "3268173" "3526363" "3645451" "3854664" "3874588" "4121769" "4221333" "4261515" "4331294" "4353506" "4440345" "4471908" "4660766" "4682732" "4687139" "4815662" "4834292" "4842201" "4848667" "4867379" "4886211" "4932590" "4986474" "5058806").PN. | USPAT | OR | OFF | 2005/05/10 09:32 |
| S77 | 29 | ("1510930" "1821579" "2128552" "3006558" "3131867" "3268173" "3526363" "3645451" "3854664" "3874588" "4121769" "4221333" "4261515" "4331294" "4353506" "4440345" "4471908" "4660766" "4682732" "4687139" "4815662" "4834292" "4842201" "4848667" "4867379" "4886211" "4932590" "4986474" "5058806").PN. | USPAT | OR | OFF | 2005/05/10 09:32 |
| S78 | 23 | "5058806".URPN. | USPAT | OR | OFF | 2005/05/10 09:33 |
| S79 | 185 | ((("239"/\$ and sprinkler) and (pop\$up)) and spring) and nozzle | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:33 |
| S80 | 21677 | sprinkler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:33 |

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| S81 | 522 | sprinkler and (pop\$up) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:33 |
| S82 | 272 | (sprinkler and (pop\$up)) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S83 | 207 | ((sprinkler and (pop\$up)) and spring) and nozzle | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S84 | 555 | ((239/451,455,456,457,458,460). CCLS.) ((239/511,512,513,514). CCLS.) ((239/581.1,581.2).CCLS.) ((239/600).CCLS.) ((239/dig.1). CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S85 | 565 | ((239/451,455,456,457,458,460). CCLS.) ((239/511,512,513,514). CCLS.) ((239/581.1,581.2,582.1). CCLS.) ((239/600).CCLS.) ((239/dig. 1).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:34 |
| S86 | 581 | ((239/451,455,456,457,458,460). CCLS.) ((239/511,512,513,514). CCLS.) ((239/580,581.1,581.2,582. 1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:35 |
| S87 | 165 | ((239/451,455,456,457,458,460). CCLS.) ((239/511,512,513,514). CCLS.) ((239/580,581.1,581.2,582. 1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3) and spring | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 09:35 |
| S88 | 9 | sesser-george.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/11 16:08 |
| S89 | 13 | perkins-lee-a.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/10 09:39 |
| S90 | 3 | ("6244521").URPN. | USPAT | OR | OFF | 2005/05/10 10:10 |
| S91 | 3 | ("6499672") or ("6244521").PN. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/11/21 14:30 |
| S92 | 14 | sesser-george-\$in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/11 16:14 |

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| S93 | 3 | (("6244521") or ("6499672")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/11 16:13 |
| S94 | 9 | sesser-george.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/12 12:11 |
| S95 | 23 | S92 S94 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/11 16:14 |
| S96 | 39 | ("3131867" "3583638" "3771723" "3884416" "3940066" "4091997" "4119275" "4154404" "4261515" "4579285" "4687139" "4753391" "4796809" "4815662" "4842201" "4850532" "4867379" "4898332" "4932590" "4944456" "4967961" "4971250" "4986474" "5031840" "5058806" "5148990" "5226602" "5288022" "5288023" "5360167" "5556036" "5647541" "5718381" "5762270" "5823440" "5927607" "RE32386" "RE33823").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/12 08:45 |
| S97 | 57 | sesser-\$.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/12 12:12 |
| S98 | 43801 | "239"/\$ | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/02/08 06:48 |
| S99 | 2871 | "239"/\$ and sprinkler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/02/08 06:49 |
| S100 | 98 | S99 and throttl\$3 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/02/08 06:49 |